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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/802,044	03/17/2004	Peri L. Tarr	YOR920040071US1	3471
21254 7590 10/26/2009 MCGINN INTELLECTUAL PROPERTY LAW GROUP, PLLC 8321 OLD COURTHOUSE ROAD SUITE 200 VIENNA, VA 22182-3817				
EXAMINER				
DAO, THUY CHAN				
ART UNIT		PAPER NUMBER		
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/802,044

Applicant(s)

TARR ET AL.

Examiner

Thuy Dao

Art Unit

2192

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 August 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7, 9-22 and 28-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7, 9-22 and 28-36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB08)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date _____

DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.

Applicant's submission filed on August 31, 2009 has been entered.

2. Claims 1-7, 9-22, and 28-36 have been examined.

Response to Amendments

3. In the instant amendment, claims 1, 9, 20, 22, and 28-30 have been amended; and claim 8 has been canceled.

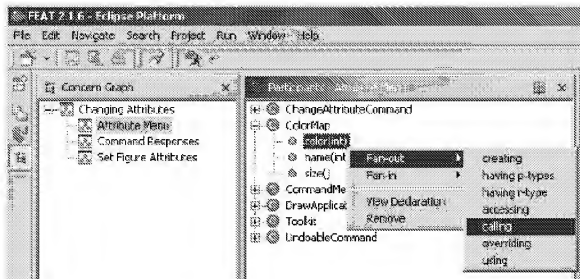
Response to Arguments

4. The alleged prior art reference Robillard-Murphy (Remarks, pages 9-10)

a) Limitations at issue "*at least one of the initial and related concerns comprising an artifact other than source code*" (Remarks, page 10, first paragraph, emphasis added).

After further consideration, examiner respectfully disagrees with Applicants' assertions and notes that Robillard-Murphy fully discloses *a system for identifying concerns, comprising:*

an initial concern (e.g., page 2, FIG. 1, in Concern Graph, specifying/ expanding Changing Attributes, "an initial concern") in a software system (Concern Graph as "a software system") and



a related concern in said software system having a relationship with said initial concern (e.g., Attribute Menu, Command Responses, and Set Figure Attributes (related concerns) having a relationship sub-concern with Changing Attributes (the initial concern));

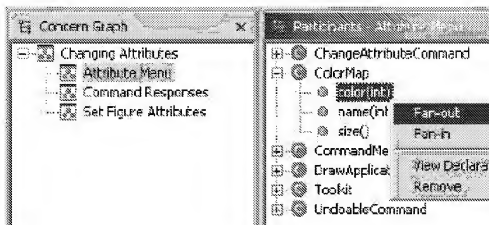
at least one of the initial and related concern comprising an artifact other than source code (e.g., col.2: 9-28, Changing Attributes (initial concern) and Attribute Menu/Command Responses/Set Figure Attributes (related concerns) are concern representation such as named containers, but not source code).

b) Limitations at issue "automatically computing a content of said related concern based on said initial concern and said relationship between said initial and related concerns" (Remarks, page 10, second paragraph, emphasis added).

Applicants argued that user manually selecting related concerns is not "automatically computing..." as claimed.

Examiner notes that user manually selecting related concerns in Concern Graph may mean user manually moving mouse/cursor within the FEAT interface. However, this is not examiner's position when mapping/rejecting the claimed limitations.

Robillard-Murphy fully discloses *automatically computing a content of said related concern based on said initial concern and said relationship between said initial and related concerns* (e.g., FIG. 1, based on Changing Attributes (the initial concern) and the relationship (concern and sub-concerns within the Concern Graph) of Attribute Menu (one of three related concerns), FEAT (said identifying device) automatically calculates/computes all participants in said Attribute Menu (one or more contents in said related concern) and displays them as "ChangeAttributeCommand", "ColorMap", "Toolkit", ...).



5. Robillard, Chu-Carroll, Casati and Stone (Remarks, pages 10-13)

In response to applicant's argument that the examiner's conclusion of obviousness is based upon improper hindsight reasoning (Remarks, page 11), it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the applicant's disclosure, such a reconstruction is proper. See *In re McLaughlin*, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971).

In response to applicant's argument that there is no suggestion to combine the references (Remarks, page 11), the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, motivation/suggestion has been properly set forth in Office action mailed May 29, 2009, such as in page 10 (Robillard in view of Robillard-Murphy), page 12 (Robillard-Murphy in view of Chu-Carroll), page 12 (Robillard-Murphy in view of Robillard), page 13 (Robillard-Murphy in view of Casati), and page 13 (Robillard-Murphy in view of Stone).

Claim Rejections – 35 USC §102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

7. Claims 1-7, 9-16, 18, 20, 21 and 28-32 are rejected under 35 U.S.C. 102(a) as being anticipated by Robillard-Murphy (art of record, "FEAT a tool for locating, describing, and analyzing concerns in source code").

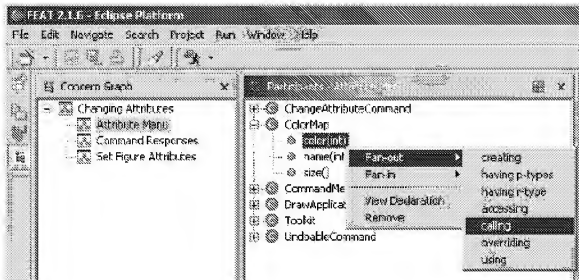
Claim 1:

Robillard-Murphy discloses *a system for identifying concerns, comprising:*

a specifying device (e.g., FIG.1, FEAT interface embedded in Eclipse Platform computer) *for specifying an initial concern* (e.g., in Concern Graph,

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specifying/expanding Changing Attributes, "an initial concern") *in a software system* (Concern Graph as "a software system") *and*



an identifying device for using the initial concern to explore artifacts in said software system (e.g., FEAT/Eclipse Platform computer uses Concern Graph and Changing Attributes (an initial concern) to explore and display Attribute Menu, Command Responses and Set Figure Attributes (related concerns) in said Concern Graph (said software system)) and,

based on a result of said using the initial concern to explore artifacts in said software system, identifying a related concern in said software system having a relationship with said initial concern (e.g., FIG.1, based on a result of automatically exploring/retrieving/displaying, FEAT identifies Attribute Menu, Command Responses, and Set Figure Attributes (related concerns) having a relationship sub-concern with Changing Attributes (the initial concern));

at least one of the initial and related concern comprising an artifact other than source code (e.g., col.2: 9-28, Changing Attributes (initial concern) and Attribute Menu/ Command Responses/ Set Figure Attributes (related concerns) are concern representation such as named containers, but not source code); and

automatically computing a content of said related concern based on said initial concern and said relationship between said initial and related concerns (e.g., FIG. 1, based on Changing Attributes (the initial concern) and the relationship (concern and sub-concerns on the Concern Graph) of Attribute Menu (related concern), FEAT (said identifying device) automatically computes all participants in said Attribute Menu (all contents in said related concern) and displays them as ChangeAttributeCommand, ColorMap, Toolkit ...).

Claim 2:

The rejection of claim 1 is incorporated. Robillard-Murphy discloses *said initial concern comprises a plurality of entities* (e.g., FIG. 1, Changing Attributes (initial concern) has at least three sub concerns in said Concern Graph).

Claim 3:

The rejection of claim 1 is incorporated. Robillard-Murphy discloses *said relationship comprises a call to said initial concern* (e.g., FIG. 1, top-middle and top-right windows, Attribute Menu (initial concern) has ColorMap.color(int) is called by DrawApplication.createColorMenu(String, String)).

Claim 4:

The rejection of claim 1 is incorporated. Robillard-Murphy discloses *said relationship comprises a call from said initial concern* (e.g., FIG. 1, Attribute Menu (initial concern) has ColorMap.color(int) calling ColorMap.size()).

Claim 5:

The rejection of claim 1 is incorporated. Robillard-Murphy discloses *said relationship comprises a same class that can be created by the concern, a same class that can be created from the concern, a reference to same data as the initial concern, and a union or intersection of two concerns* (e.g., page 1, col.2, lines 1-28).

Claim 6:

The rejection of claim 1 is incorporated. Robillard-Murphy discloses *said specifying device comprises a query tool for inputting a query, such that said initial concern is returned as a result of said query* (e.g., page 2, FIG. 1, pop-up window → Fan-out to input a query “calling” or pop-up window → Fan-in to input another query “called by”).

Claim 7:

The rejection of claim 1 is incorporated. Robillard-Murphy discloses *said initial concern and said related concern comprise source code in said a software system* (e.g., page 2, FIG. 1, bottom window).

Claim 9:

The rejection of claim 6 is incorporated. Robillard-Murphy discloses *a navigating device for navigating said software system in an integrated development environment IDE* (e.g., page 3, right column: 25-39).

Claim 10:

The rejection of claim 6 is incorporated. Robillard-Murphy discloses *said system is part of an integrated development environment (IDE) for displaying said initial concern and said related concern, and navigating said software system* (e.g., page 1, col.2).

Claim 11:

The rejection of claim 9 is incorporated. Robillard-Murphy discloses *said navigating device comprises a graphical user interface (GUI) for using said initial concern and said related concern to explore said software system and construct a new software system* (e.g., page 1, col.1 and FIG. 1).

Claim 12:

The rejection of claim 9 is incorporated. Robillard-Murphy discloses *said navigating said software system comprises navigating said software system using both virtual and actual structuring of different artifacts within said software system* (e.g., page 1, col.2).

Claim 13:

The rejection of claim 9 is incorporated. Robillard-Murphy discloses *said navigating said software system comprises using said navigating device to explore concerns and the relationships between said concerns based on a visual representation of query results* (e.g., page 1, col.2; FIG. 1 and related text in page 2. col.1).

Claim 14:

The rejection of claim 9 is incorporated. Robillard-Murphy discloses *said navigating device comprises a visual diagram which gives call relations between different parts of a program selected by query operators expressed as regular expressions* (e.g., FIG. 1, top-right window, Relations such as "used by", "called by" and "calling").

Claim 15:

The rejection of claim 1 is incorporated. Robillard-Murphy discloses *said identifying said related concern comprises automatically generating said related concern* (e.g., page 1, col.2, creating new concerns; FIG. 1, Concern Graph refreshed to display new concerns).

Claim 16:

The rejection of claim 1 is incorporated. Robillard-Murphy discloses *said specifying device comprises at least one of a keyboard and a mouse for specifying said initial concern* (e.g., page 2, FIG. 1, using mouse to expand Concern Graph).

Claim 18:

Robillard-Murphy discloses *a concern manipulation environment (CME) comprising the system of claim 1* (e.g., pp. 1-2).

Claim 20:

Robillard-Murphy discloses *a system for identifying concerns, comprising:*

a specifying device (e.g., FIG.1, FEAT embedded in Eclipse Platform computer) *for specifying a query against artifacts related to software development, including software, generated code, or models and information about software* (e.g., page 1, col.1-col.2),

said query comprising an initial concern (e.g., specifying/expanding Changing Attribute, "an initial concern");

means for displaying the results of the query, said results comprising a related concern having a relationship with said initial concern (e.g., FIG.1, based on a result of automatically exploring/retrieving/displaying, FEAT identifies Attribute Menu, Command Responses, and Set Figure Attributes (related concerns) having a relationship sub-concern with Changing Attributes (the initial concern)),

at least one of the initial and related concern comprising an artifact other than source code (e.g., col.2: 9-28, Changing Attributes (initial concern) and Attribute Menu/ Command Responses/ Set Figure Attributes (related concerns) are concern representation such as named containers, but not source code);

means for automatically computing a content of said related concern based on said initial concern and said relationship between said initial and related concerns (e.g., page 2, FIG. 1, FEAT/Concern Graph, pop-up windows → Fan-out / Fan-in → calling / called by; FIG. 1, based on Changing Attributes (the initial concern) and the relationship (sub-concern) of Attribute Menu (related concern), FEAT (said identifying device) computes all participants in said Attribute Menu (all contents in said related concern) and displays them as ChangeAttributeCommand, ColorMap, Toolkit ...); and

means for updating the query when at least one of new artifacts are introduced, artifacts are deleted, and artifacts are changed (e.g., page 1, col.2; FIG. 1, using left right click to popup windows → Fan-out / Fan-in to refresh/update the query).

Claim 21:

The rejection of claim 20 is incorporated. Robillard-Murphy discloses *said results of said query comprise a concern* (e.g., FIG. 1, Concern Graph comprises one root concern and three sub concerns).

Claim 28:

Robillard-Murphy discloses *a method of generating concerns, comprising:*

identifying a first concern in a software system (e.g., FIG. 1, concern Changing Attributes has three sub concerns in Concern Graph; Concern Graph as a software system);

examining a program using said first concern and text of said program (e.g., FIG. 1, examining code in the bottom window using Changing Attributes (first concern in Concern Graph));

identifying a second concern in said software system based on a result of said examining said program using said first concern and text of said program (e.g., Concern Graph identifies three sub concerns Attributes Menu, Command Responses and Set Figure Attributes, Relations window, Source Code window (three second concerns));

at least one of the initial and related concern comprising an artifact other than source code (e.g., col.2: 9-28, Changing Attributes (initial concern) and Attribute Menu/ Command Responses/ Set Figure Attributes (related concerns) are concern representation such as named containers, but not source code);

automatically computing a content of said second concern based on said first concern and said relationship between said first and second concerns FIG. 1, based on Changing Attributes (the first concern) and the relationship (sub-concern) of Attribute Menu (second concern), FEAT (said identifying device) computes all

participants in said Attribute Menu (all contents in said related concern) and displays them as ChangeAttributeCommand, ColorMap, Toolkit ...; *and displaying and navigating concerns in an integrated development environment IDE* (e.g., FEAT embedded in Eclipse Platform IDE).

Claim 29:

Claim 29 is a programmable storage medium version, which recite(s) the same limitations as those of claim 1, wherein all claimed limitations have been addressed and/or set forth above. Therefore, as the reference teaches all of the limitations of the above claim(s), it also teaches all of the limitations of claim 29.

Claim 30:

Claim 30 is a method version, which recite(s) the same limitations as those of claim 1, wherein all claimed limitations have been addressed and/or set forth above. Therefore, as the reference teaches all of the limitations of the above claim(s), it also teaches all of the limitations of claim 30.

Claim 31:

The rejection of claim 1 is incorporated. Robillard-Murphy discloses *said initial concern and said related concern comprise a part of said software system which relates to some concept, goal, purpose or requirement* (e.g., page 1, col.1-col.2).

Claim 32:

The rejection of claim 1 is incorporated. Robillard-Murphy discloses *said initial concern and said related concern comprise at least one of a feature, component, variant, user interface, instrumentation, first-failure data capture, quality of service, security, and policy* (e.g., page 1, col.2; FIG.1 and related text).

Claim 35:

Robillard-Murphy discloses *the system according to claim 1, wherein said identifying said related concern comprises generating a concern model which represents said initial and related concerns* (e.g., FIG. 1, Change Attributes and Attribute Menu represented as tree-like structure in the FEAT user interface),

a relationship between said initial and related concerns (e.g., FIG. 1, Change Attributes contains Attribute Menu, Command Responses, and Set Figure Attributes),
and

a constraint on said initial and related concerns (e.g., Concern Graph classifies them as having the same features/aspects, i.e., sub-concerns of Changing Attributes).

Claim 36:

Robillard-Murphy discloses *the system according to claim 35, further comprising: a concern explorer for viewing, navigating and querying said concern model* (e.g., FIG. 1, Concern Graph, menu "Navigate", "Search").

Claim Rejections – 35 USC §103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9 Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over Robillard (art of record, "A Study of Program Evolution Involving Scattered Concerns") in view of Robillard-Murphy.

Claim 22:

Robillard discloses *a method of identifying concerns, comprising:*

specifying at least one initial concern in a software system (e.g., page 4, FIG. 1, Concern Graph as a software system; Concern Graph (software system) has DrawApplication as initial concern; page 4, left column: 1-35);

using the initial concern to explore artifacts in said software system and, based on a result of said using the initial concern to explore artifacts in said software system, identifying at least one related concern (e.g., createArrowMenu() as related concern) in said software system having a relationship with said at least one initial concern (e.g., page 4, FIG. 1, DrawApplication (initial concern) implements/has a member method createArrowMenu() (related concern));

at least one of the initial and related concern comprising an artifact other than source code (e.g., page 4, FIG. 1, concern elements in top windows are not source code);

automatically computing a content of said related concern based on said initial concern and said relationship between said initial and related concerns (e.g., FEAT computes all parameters in said member method createArrowMenu (related concern) and displays its called such as ChangeAttributeCommand);

navigating said software system in Eclipse Platform (e.g., page 3),

wherein said relationship comprises at least one of a call to said at least one initial concern and a call from said at least one initial concern (e.g., main program calls DrawApplication (initial concern) and DrawApplication calls createArrowMenu()),

wherein said specifying said at least one initial concern comprises using a query tool for inputting a query, such that said initial concern is returned as a result of said query (e.g., Figure 1, in top-right panel "Concern Graph", using mouse to double-click/click on "Tutorial" to query sub-concerns such as Attribute Figure and Command; click on Command to display its participants such as ChangeAttributeCommand, DrawApplet, and DrawApplication),

wherein said identifying said at least one related concern comprises automatically generating said at least one related concern (e.g., page 4, Figure 1, FEAT automatically generates/displays related concerns such as member methods of DrawApplication), and

wherein said at least one initial concern comprises at least one of an extensional concern (e.g., initial concern "DrawApplication" as an external concern, which includes pieces of member methods) and

an intensional concern (e.g., page 4, Figure 1, initial concern "DrawApplication" as an intensional concern, which includes member methods with prefix "create").

Robillard discloses FEAT embedded/plugged-in in Eclipse Platform (page 4, Figure 1) but does not explicitly disclose *Eclipse Platform as an integrated development environment (IDE)*.

However, in an analogous art, Robillard-Murphy further discloses *Eclipse Platform as an integrated development environment (IDE)* (e.g., page 1, col.1-col.2).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to combine Robillard-Murphy's teaching into Robillard's teaching. One would have been motivated to do so to integrate the FEAT tool as a plugin into the Eclipse Platform IDE as suggested by Robillard-Murphy (e.g., page 1, col.1 – col.2).

10. Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over Robillard-Murphy in view of Chu-Carroll (art of record, US Patent Publication No. 2002/0198873 A1).

Claim 17:

The rejection of claim 1 is incorporated. Robillard-Murphy do not explicitly disclose *said specifying said initial concern comprises defining a query language comprising a set of operators and evaluation properties that together work to identify concerns within different artifacts that make up a software system.*

However, Chu-Carroll further discloses *said specifying said initial concern comprises defining a query language comprising a set of operators and evaluation properties that together work to identify concerns within different artifacts that make up a software system (e.g., [0034], [0049], [0105], [0131]).*

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to combine Chu-Carroll's teaching into Robillard-Murphy's teaching. One would have been motivated to do so to view dynamic concerns, which includes changed/modified program elements as suggested by Chu-Carroll (e.g., [0044]-[0046]).

11. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Robillard-Murphy in view of Robillard.

Claim 19:

The rejection of claim 18 is incorporated. Robillard-Murphy does not explicitly disclose *a data structure is maintained for keeping concerns in sync with changes in a software system*.

However, in an analogous art, Robillard further discloses *a data structure is maintained for keeping concerns in sync with changes in a software system* (e.g., page 3, right column: 41 – page 4, left column: 34).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to combine Robillard's teaching into Robillard-Murphy's teaching. One would have been motivated to do so to display/view the dynamic concerns, which includes changed/modified classes and methods as suggested by both Robillard (e.g., pp. 1-2) and Robillard-Murphy (e.g., page 1, col.1 – col.2).

12. Claim 33 is rejected under 35 U.S.C. 103(a) as being unpatentable over Robillard-Murphy in view of Casati (art of record, US Patent No. 2002/0174093 A1).

Claim 19:

Robillard-Murphy does not explicitly disclose *the system according to claim 1, wherein said related concern is automatically computed by exploring artifacts in said software system to determine said relationship by using one of pattern-matching and data mining*.

However, in an analogous art, Casati further *said related concern is automatically computed by exploring artifacts in said software system to determine said relationship by using one of pattern-matching and data mining* (e.g., [0034]).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to combine Casati's teaching into Robillard-Murphy's teaching. One would have been motivated to do so to effectively explore contents of the data warehouse as suggested by Casati (e.g., [0034]).

13. Claim 34 is rejected under 35 U.S.C. 103(a) as being unpatentable over Robillard-Murphy in view of Stone (art of record, US Patent No. 6,804,686).

Claim 34:

Robillard-Murphy does not explicitly disclose *the system according to claim 1, wherein at least one of said initial concern and said related concern comprises a unified modeling language (UML) artifact*.

However, in an analogous art, Stone further discloses *the system according to claim 1, wherein at least one of said initial concern and said related concern comprises a unified modeling language (UML) artifact* (e.g., FIG. 8A, col.18: 54 – col.19: 15, UML Browser Interface, which browses/explores/navigates UML classes).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to combine Stone's teaching into Robillard-Murphy's teaching. One would have been motivated to do so to browse/explore/navigate UML classes as suggested by Stone (e.g., col.18: 54 – col.19: 15).

Conclusion

14. Any inquiry concerning this communication should be directed to examiner Thuy (Twee) Dao, whose telephone/fax numbers are (571) 272 8570 and (571) 273 8570, respectively. The examiner can normally be reached on every Tuesday, Thursday, and Friday from 6:00AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam, can be reached at (571) 272 3695.

Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is (571) 272 2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Twee Dao/

Examiner, Art Unit 2192